



Galvenā

Produkta sērija	Harmony Control Relays
Relay type	Voltage control relay
Produkta vai sastāvdaļas veids	3-phase control relay
Produkta specifiskais pielietojums	For 3-phase supply
Relay name	RM35UB3
Relay monitored parameters	Absence of neutral Overvoltage and undervoltage between phases Overvoltage and undervoltage between neutral
Time delay	Adjustable 0.3...30 s, 0 + 10 % Tt- time delay upon fault
Switching capacity in VA	1250 VA
Measurement range	120...277 V AC
Kontaktlīdzas tips	2 C/O

Papildinošs

Reset time	1500 ms time delay
Maximum switching voltage	250 V AC/DC
Minimum switching current	10 mA 5 V DC
Maximum switching current	5 A AC/DC
Supply voltage limits	114...329 V AC
Power consumption in VA	0...3,9 VA AC
Control circuit frequency	50...60 Hz +/- 15 %
Voltage detection threshold	114 V
Output contacts	1 C/O + 1 C/O, 1 per threshold
Nominal output current	5 A
Hysteresis	2 %
Mērījumu precizitāte	+/- 10 % of the full scale value
Delay at power up	650 ms
Maximum measuring cycle	150 ms measurement cycle as true rms value
Threshold adjustment voltage	2...20 % of Un selected
Repeat accuracy	+/- 0.5 % input and measurement circuit +/- 1 % time delay
Measurement error	< 1 % over the whole range with voltage variation 0.05 %/°C with temperature variation
Response time	< 200 ms in the event of a fault)
Kvalitātes marķējums	CE
Insulation resistance	> 500 MOhm 500 V DC IEC 60255-5 > 500 MOhm 500 V DC IEC 60664-1
Operating position	Any position without derating
Lokālā signalizēšana	Priekš barošana IESLĒGTA LED (zaļš) Priekš relay ON LED (dzeltens)
Overvoltage category	III IEC 60664-1
[Ui] rated insulation voltage	400 V IEC 60664-1

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Connections - terminals	Skrūvju spailes, 1 x 0.5...1 x 4 mm ² AWG 20...AWG 11) ciets without cable end Skrūvju spailes, 2 x 0.5...2 x 2.5 mm ² AWG 20...AWG 14) ciets without cable end Skrūvju spailes, 1 x 0.2...2 x 2.5 mm ² AWG 24...AWG 12) elastīgs with cable end Skrūvju spailes, 2 x 0.2...2 x 1.5 mm ² AWG 24...AWG 16) elastīgs with cable end
Tightening torque	0,6...1 N.m IEC 60947-1
Korpusa materiāls	Self-extinguishing plastic
Montāžas stiprinājums	35 mm symmetrical DIN rail atbilst IEC 60715
Elektriskā izturība	10000 cikli
Mehāniskā izturība	30000000 cikli
Operating rate	<= 360 operations/hour full load
Utilisation category	AC-12 IEC 60947-5-1 AC-13 IEC 60947-5-1 AC-14 IEC 60947-5-1 AC-15 IEC 60947-5-1 DC-12 IEC 60947-5-1 DC-13 IEC 60947-5-1 DC-14 IEC 60947-5-1
[Un] rated nominal voltage	, self-powered
Safety reliability data	B10d = 470000 MTTFd = 502.2 years
Vadības veids	Without test button
Platums	35 mm
Neto svars	0,08 kg

Vide

Electromagnetic compatibility	Emission standard for industrial environments conforming to IEC 61000-6-4 Emission standard for residential, commercial and light-industrial environments conforming to IEC 61000-6-3 Immunity for industrial environments conforming to NF EN/IEC 61000-6-2
Ambient air temperature for operation	-20...50 °C
Vibration resistance	0.35 mm 5...57,6 Hz)IEC 60068-2-6 1 gn 57,6...150 Hz)IEC 60255-21-1
Shock resistance	5 gn IEC 60068-2-27
Standarti	IEC 60255-1
Produkta sertifikācija	UL[RETURN]C-Tick[RETURN]GL[RETURN]CSA[RETURN]GOST
Apkārtējā gaisa temperatūra uzglabāšanai	-40...70 °C
Relative humidity	95 % 55 °C IEC 60068-2-30
IP degree of protection	IP20 IEC 60529 terminals) IP30 IEC 60529 casing)
Pollution degree	3 IEC 60664-1
Direktīvas	73/23/EEC - low voltage directive 89/336/EEC - electromagnetic compatibility
Dielectric test voltage	2 kV AC 50 Hz, 1 min
Non-dissipating shock wave	4 kV

Iepakojšanas vienības

Pirmā iepakojuma vienības tips	PCE
Vienību skaits 1. iepakojumā	1
1. iepakojuma augstums	4,7 cm
1. iepakojuma platums	7,8 cm
1. iepakojuma garums	9,7 cm
1. iepakojuma svars	125 g
Otrā iepakojuma vienības tips	S03
Vienību skaits 2. iepakojumā	48
2. iepakojuma augstums	30 cm
2. iepakojuma platums	30 cm
2. iepakojuma garums	40 cm
2. iepakojuma svars	6,719 kg

Piedāvājiēt ilgtspēju

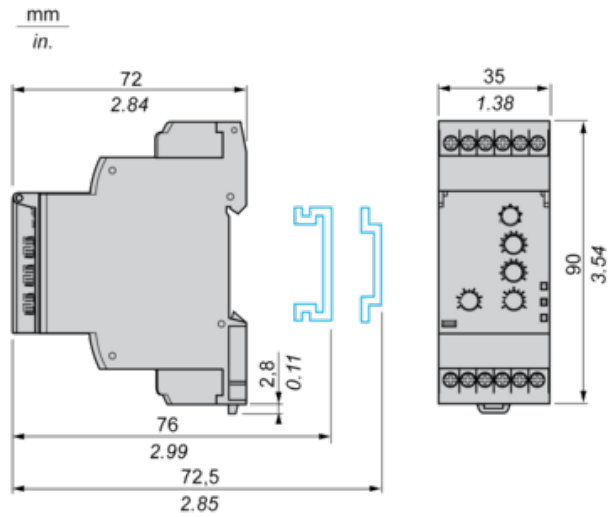
Ilgspējīgs piedāvājuma statuss	Green Premium izstrādājums
REACH regula	REACH Deklarācija
ES RoHS direktīva	Proaktīva atbilstība (uz izstrādājumu neattiecas ES RoHS juridiskās saistības)
Nesatur dzīvsudrabu	Jā
Ķīnas RoHS regula	Ķīnas RoHS Deklarācija
Informācija par RoHS izņēmumiem	Jā
Vides informācijas publicēšana	Produkta Ietekme Uz Vidi
Cirkularitātes profils	Informācija Par Eksploatācijas Izbeigšanu

Līguma garantija

Garantija	18 months
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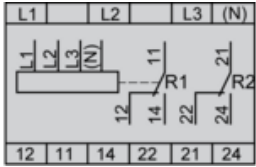
3-Phase Voltage Control Relays

Dimensions and Mounting



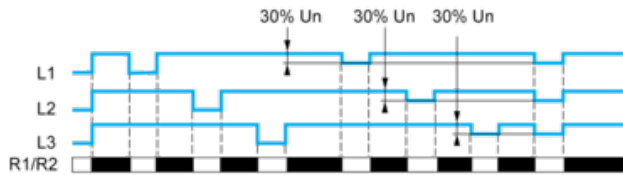
3-Phase Voltage Control Relays

Wiring Diagram

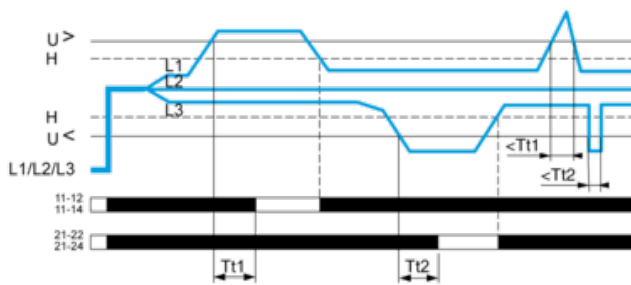


Function Diagrams

Phase Failure Detection (U measured < 0.7 x nominal supply voltage)



Control of Overvoltage and Undervoltage



Legend

- Un Nominal supply voltage
- Tt1 Overvoltage threshold delay
- Tt2 Undervoltage threshold delay
- H Hysteresis
- U> Overvoltage threshold
- U< Undervoltage threshold
- L1, L2, L3 Phases of the supply voltage monitored
- 11-12, 11-14 R1 output relay connections
- 21-22, 21-24 R2 output relay connections
- Relay status: black color = energized.